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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/817,594	04/02/2004	Gopichandra Surnilla	FGT 387CON	3136		
	7590 08/21/2007 ALL MCCOY RUSSEL	EXAM	EXAMINER			
806 S.W. BROADWAY, SUITE 600 PORTLAND, OR 97205			ARGENBRIGHT,	ARGENBRIGHT, TONY MICHAEL		
TORTLAND, C	JK 97203	ART UNIT	PAPER NUMBER			
			3747			
			MAIL DATE	DELIVERY MODE		
		4	08/21/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No).	Applicant(s)				
Office Action Summary		10/817,594		SURNILLA ET AL.				
		Examiner		Art Unit				
		T. M. Argenbrig		3747				
The MAILING DAT Period for Reply	TE of this communication ap	pears on the cov	er sheet with the c	orrespondence addr	ess			
A SHORTENED STATU WHICHEVER IS LONGE - Extensions of time may be avail after SIX (6) MONTHS from the If NO period for reply is specifie - Failure to reply within the set or	TORY PERIOD FOR REPLER, FROM THE MAILING Dable under the provisions of 37 CFR 1.7 mailing date of this communication. d above, the maximum statutory period extended period for reply will, by statute than three months after the mailing See 37 CFR 1.704(b).	DATE OF THIS C 136(a). In no event, how I will apply and will expirate, cause the application	OMMUNICATION wever, may a reply be time e SIX (6) MONTHS from to become ABANDONE	N. nely filed the mailing date of this comr D (35 U.S.C. § 133).				
Status								
1) Responsive to cor	nmunication(s) filed on <u>11 A</u>	A <i>pril 2007</i> .						
2a) This action is FINA	This action is FINAL . 2b)⊠ This action is non-final.							
· —	ion is in condition for allowa	•	<u> </u>		nerits is			
closed in accordar	nce with the practice under i	Ex parte Quayle,	1935 C.D. 11, 45	53 O.G. 213.				
Disposition of Claims								
4)⊠ Claim(s) <u>9-24 and</u>)⊠ Claim(s) <u>9-24 and 26</u> is/are pending in the application.							
4a) Of the above c	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)⊠ Claim(s) <u>15-17 an</u>	☑ Claim(s) <u>15-17 and 21</u> is/are allowed.							
· <u>-</u>	Claim(s) <u>9-14,18-20,22-24 and 26</u> is/are rejected.							
7)⊠ Claim(s) <u>21</u> is/are	•							
8) Claim(s) ar	e subject to restriction and/o	or election requir	ement.					
Application Papers								
9) The specification is	s objected to by the Examine	er.						
10)☐ The drawing(s) file	d on is/are: a)∏ acc	cepted or b) 🗌 o	ojected to by the f	Examiner.				
• • • • • •	equest that any objection to the							
_ '	ng sheet(s) including the correct	•	=	•				
11) 🖾 The oath or declar	ation is objected to by the E	xaminer. Note th	e attached Office	Action or form PTO	-152.			
Priority under 35 U.S.C. §	119							
12)∭ Acknowledgment is a)∭ All b)∭ Some	s made of a claim for foreigr * c) None of:	n priority under 3	5 U.S.C. § 119(a))-(d) or (f).				
1. Certified co								
<u></u>	2. Certified copies of the priority documents have been received in Application No							
· •	e certified copies of the pric			ed in this National St	age			
• •	from the International Burea	•		. al				
" See the attached de	etailed Office action for a list	t of the certified t	opies not receive	ea.				
Attachment(s)								
1) Notice of References Cited (4)	Interview Summary					
2) Notice of Draftsperson's Pat3) Information Disclosure State	ent Drawing Review (PTO-948) ment(s) (PTO/SR/08)	5) [Paper No(s)/Mail Da Notice of Informal P					
Paper No(s)/Mail Date	-	6)	Other:	••				

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DETAILED ACTION

The indicated allowability of claims 9-14 and 18-20 is withdrawn in view of the newly discovered reference(s) to Cullen et al and Okamoto et al. Rejections based on the newly cited reference(s) follow.

Oath/Declaration

The oath or declaration is defective. A new oath or declaration in compliance with 37 CFR 1.67(a) identifying this application by application number and filing date is required. See MPEP §§ 602.01 and 602.02.

The oath or declaration is defective because: It does not state that the person making the oath or declaration acknowledges the duty to disclose to the Office all information known to the person to be material to *patentability* as defined in 37 CFR 1.<u>56</u>.

Claim Objections

Claim 21 is objected to because of the following informalities: The status identifier should read "previously presented". Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 22, 23 and 26 are rejected under 35 U.S.C. 102(a) as being anticipated by Welch. Welch discloses turning off fuel injection to one group of cylinders and

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adjusting the valve timing of those cylinders so they act as air expanders. The valve timing of the remaining active cylinders is unchanged.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 9 is rejected under 35 U.S.C. 102(b) as being anticipated by Cullen et al (5,843,941). Cullen et al discloses a variable displacement engine wherein the active, or first set, of cylinders receive a lean mixture. When the active set of cylinders changes to control engine temperature levels, the newly active, or second set, of cylinders is transitioned to lean mixture operation.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 9-14 and 18-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Okamoto et al. Okamoto et al discloses a variable displacement engine having the number of active cylinders changed to meet desired torque demand. Since the engine is of lean burn type, when an inactive cylinder set or group is activated, the set will transition from air only to lean mixture operation.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29

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USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claim 24 is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 18 and 19 of U.S. Patent No. 7,249,583 (S. N. 11/125,889). Although the conflicting claims are not identical, they are not patentably distinct from each other because the method of controlling an engine of claims 18 and 19 would include the engine and controller of the instant system claim.

Allowable Subject Matter

Claims 15-17 and 21 are allowed.

Response to Arguments

Applicant's arguments with respect to claims 22-24 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

The variable displacement engines made of record and not relied upon are considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to T. M. Argenbright whose telephone number is 571-272-

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4837. The examiner can normally be reached M-Th 6:30am-3:00pm and alt. Fridays 6:30am-2:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen K. Cronin can be reached on 571-272-4536. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

T. M. Argenbright Primary Examiner Art Unit 3747